

S/182/62/000/005/007/007  
D038/D113

AUTHORS: Nepechiy, P.D. and Vol'skiy, S.A.

TITLE: Protective coating of blank and ingot surfaces

PERIODICAL: Kuznechno-shtampovoye proizvodstvo, no. 5, 1962, 46-47

TEXT: A protective coating, to protect the surface of steel blanks and ingots from decarbonization and high scale formation caused by furnace gases in holding furnaces, was developed. The coating consists of the following: 77% soluble glass; 1% Al powder, and 22% magnesite powder (0.5 mm fractions). At 700-800°C the coating is transformed into a viscous mass. As the metal moves along the furnace floor, a solid skin forms on its surface and protects it from the penetration of gas furnace gases. A 1 mm thick layer should be used. Maximum scale thickness on coated blanks was 1.5 mm as compared with 3-4 mm on uncoated blanks. It is concluded that the coating can be used on high alloy steels.

Card 1/1

NEPECHYI, P.D.; VOL'SKIY, S.A.

Protective lubricants for blank and ingot surfaces. Kuz.-shtam.  
proizv. 4 no.5:46-47 My '62. (MIRA 16:5)  
(Metalworking lubricants)

NEPECHIIY, P.D.; VOL'SKIY, S.A.

New design of packing for rods in the cylinders of steam and  
air hammers. Kuz.-shtam. proizv. 3 no.3:44 Mr '61. (MIRA 14:6)  
(Forging machinery)  
(Packing (Mechanical engineering))

VOL'SKIY, S. A.

32527. Tsinkolenko, B. P. Metod izgotovliniya rolikov dlya bezalmaznoy provki  
shlifoval'nykh krugov. Stanki-i-instrument, 1949, Nol 10, s. 17-18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

VOL'SKIY, S. A.

32526. Vol'skiy, S. A. Prispособlaniya dlya besalmaznoy pravki shlifoval'nykh krugov. Stanki i instrument, 1949, No. 10, s. 18.

SO: Letopis' Zhurnal'nykh Statey Vol. 44

~~VOL'SKIY~~, S. A. AND I. V. KHARIN

Pnevmaticheskoe upravlenie friktsionnykh pressami. (Vestn. Mash., 1950, no. 5, p. 41-42)

Pneumatic control of friction presses.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

NEPECHIIY, P.D.; VOL'SKIY, S.A.

Ejecting device on straightening machines. Metallurg 8 no.5:30  
My '63. (MIRA 16:7)

1. Dnepropetrovskiy staleplavil'nyy zavod vysokokachestvennykh  
i spetsial'nykh staley.  
(Straightening machines)

TSYBIN, V.S., kand.tekhn.nauk; VOL'SKIY, S.G., inzh.; BOGATYKH, Yu.T.,  
inzh.

Automobile wheels made of glass-reinforced plastics. Izv. v/s.  
ucheb.zav.; mashinostr. no.2:124-131 '64. (MIRA 17:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.



VOL'SKII, T. I.

RT-1313 [Osteoplastic amputations and reamputations] Condensed from: Kostnoplasticheskie amputatsii i reamputatsii.  
Khirurgiia, (6): 73-79, 1945.

VOL'SKIY, V.

Above the Caucasus ridge. Grazhd.av. 19 no.7:15 J1 '62.

(MIRA 15:8)

(Caucasus--Aeronautics, Commercial)

VOL'SKIY, Vitaliy [Vol'ski, Vitali]

Belovezhskaya Pushcha. Rab. i sial. 39 no.8:12-13 Ag '63.  
(MIRA 16:9)

VOL'SKIY, V.; GORDON, Kh.

Wage and qualification manual for assembly-line machine building.  
Sots.trud. no.11:83-86 N '56. (MIRA 10:1)  
(Voronezh--Excavating machinery--Production standards) (Wages)

MARKOVICH, M.; KALOMFIRESKU, A.; VOL'SKIY, V.

Studies on first vaccination against poliomyelitis in Bucharest;  
epidemiological effectiveness of Lepin's vaccine. Zhur.mikrobiol.  
epid.i immun. 30 no.10:24-27 O '59. (MIRA 13:2)

1. Iz Instituta gigiyeny i sanitarno-epidemiologicheskoy stantsii g.  
Bukharesta (Rumyniya).  
(POLIOMYELITIS prev. & control.)  
(VACCINATION)

VOL'SKIY, V.

Method for working out calendar plans for the review of production standards in serial machinery manufacturing. Sots.trud no.2:83-89  
F '57. (MLRA 10:5)  
(Machinery Industry--Production standards)

VOL'SKIY, V.

Are the work norm specialists responsible? Sots.trud. no.5:93-94  
My '56. (MLRA 9:8)

(Production standards)

VOL'SKIY, V., zhurnalist (Riga)

Latvia is developing. Nauka i zhyttia 12 no.7:34-35 J1 '62.  
(MIRA 16:1)  
(Latvia—Economic conditions)



VOL'SKIY, V.; ABRAM, P.

Establishing consolidated norms for assembly work. Sots.trud 7  
no.4:87-94 Ap '62. (MIRA 16:1)  
(Machine-shop practice--Production standards)

VOL'SKIY, V.; GRIDCHIN, I.; YEMEL'YANOV, A.; RABAN, V. (Lutsk); VOLOSHINSKIY, V.  
(Lutsk)

Exchange of news and experience. Izobr. i rats. no.7:18-19 JI '62.  
(MIRA 16:3)

1. Sotrudnik zhurnala "Nauka i tekhnika", Riga (for Vol'skiy).
2. Otvetstvennyy sekretar' gazety "Put' Oktyabrya", Lugansk (for Gridchin).
3. Predsedatel' soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, Orenburgskogo shelkokombinata (for Yemel'yanov).  
(Technological innovations)

VOL'SKIY Vitali; MIKHAL'CHUK, S., redaktor; VARYENCHUK, V., mastatska-  
tekhnichny redaktor

[Month after month; a White Russian nature calendar] Mesiatz za  
mesiatsem; kaliendar belaruskai pryrody. Minsk, Dziarshaunae vyd-va  
BSSR, 1956. 76 p. (MIRA 10:2)  
(White Russia--Nature study)

VOL'SKIY, Vitaliy[Vol'ski, Vitali]

Women of Africa. Rab. 1 sial. 39 no.4:16-17 Ap '63.  
(MIRA 16:4)

(Africa—Women)

TSOMAYA, S.V.; VOL'SKIY, V.F.

[Novyi Afon. Tbilisi, Sabchota Sakartvelo, 1958. 59 p.  
(MIRA 14:11)

(AKHALI-AFONI—HEALTH RESORTS, WATERING PLACES, ETC.)

VOL'SKIY, V. G.

"Agrobiological Features of Corn Raising Under L'vovskaya Oblast Conditions." Cand Agr Sci, Belotserkov Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955. (KL, No 8, Feb 55)

SO: Sum No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Defended at USSR Higher Educational Institutions  
(14)

**VOL'SKIY, Vasily Grigor'yevich**

[Corn is a crop with great possibilities] Kukurudza - kultura velykykh  
mozhyvostei. Lviv, Upravlinia sil'skoho hospodarstva, 1955. 34 p.  
(Corn (Maize)) (MLRA 10:3)

M

Country : USSR  
Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 11, 1958, No 48896

Author : Vol's'kiy, V.G.  
Inst : Sci. Res. Inst. of Agriculture and Animal Husbandry  
of the Western Districts of the Ukrainian SSR.  
Title : Influence of the Root Bed on Corn Crop Formation.

Orig Pub: Inform. byul. Nauk.-dosl. in-t zemlerobstva i  
tvorinnitstva zakhidn. rayoniv USSR, 1956, vyp. 1,  
14-17

Abstract: No abstract.

Card : 1/1



KIYAK, G. S. [Kylak, H.S.]; VOL'SKIY, V.G. [Vol's'kiy, V.H.]

Effect of spacing on the formation of the corn crop. Pratsi Inst.  
agrobiol. AN URSR 7:3-11 '57. (MIRA 11:7)  
(Corn (Maize)) (Plants, Space arrangement of)

DYMOV, M.G. [Dymov, M.H.], otv.red.; BURAK, P.Yu., red.; VOL'SKIY,  
V.G. [Vol's'kyi, V.H.], red.; ZDEORUK, I.A., red.; OVSIANNIKOV,  
V.B., red.; TSITOVICH, O.Ye., red.; DEMCHUK, M., red.izd-va;  
MEDOVIZ, S., tekhred.

[They have golden hands; story of Lvov Province corn growers who  
have exceeded the thousand centner mark] U nykh soloti ruky;  
rozpovid' pre snatnykh kukurudzovodiv-tysiaschnykyv L'vivshchyny.  
L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1958. 200 p.

(MIRA 14:1)

(Lvov Province--Corn (Maize))

VOL'SKIY, V., kand. sel'skokhozyaystvennykh nauk

Corn in the Western Ukraine. Nauka i pered. op v sel'khoz. 9 no.6:  
12-16 Je '59. (MIRA 12:9)  
(Ukraine, Western--Corn (Maize))

DOLINTUK, Yevgeniya Alekseyevna, dvazhdy Geroy Sotsialisticheskogo Truda;  
VOL'SKIY, V.G., kand.sel'skokhoz.nauk, red.; KATSELS'ON, S.M.,  
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Corn is a high-yield crop; practices of a field team on the  
Stalin Collective Farm in the Mel'nitsa-Podol'skaya District,  
Ternopol Province] Kukuruza - vysokourozhainaya kul'tura; opyt  
sven'evoi kolkhoza imeni Stalina Mel'nitsa-Podol'skogo raiona  
Ternopol'skoi oblasti. Pod obshchai red. V.G.Vol'skogo. Moskva,  
Izd-vo "Znanie," 1960. 30 p. (Vsesoiuznoe obshchestvo po raspro-  
straneniyu politicheskikh i nauchnykh znaniy. Ser.5, Sel'skoe  
khoziaistvo, no.13). (MIRA 13:7)  
(Mel'nitsa-Podol'skaya District--Corn (Maize))

VOL'SKIY, V.G. [Vol's'kyi, V.H.], otv. red. YEVMINOV, V.M.  
[IEvminov, V.M.], red.; IRVANETS', O.M., red.;  
KIPARENKO, M.M. [Kyparenko, M.M.], red.; KOZAK, Ye.I.,  
red.; MALUSHA, K.V., red.; NEMOVAN, I.N., red.;  
OVSYANNIKOV, V.B., red.; PLETN'OVA, O.V., red.; SULIMA,  
Ya.F., red. [Sulyma, I.A.F.], red.; FAVOROV, O.M., red.

[Recommendations for the chemicalization of agriculture in  
Lvov Province] Rekomendatsii po khimizatsii sil'skoho hos-  
podarstva L'vivshchyny. L'viv, Kameniar, 1964. 84 p.  
(MIRA 17:9)

1. Naukovo-doslidnyy institut zemlerobstva i tvarynnytstva  
zakhidnykh rayoniv URSR.

VOL'SKIY, V.G.[Vol's'kyi, V.G.], kand. sel'khoz. nauk, red.;  
LITVY, G.B.[Litvyi, G.B.], red.; KATYBINA, K.A., red.

[Specialization of agriculture in Gliyany District;  
western forest-steppe] Spetsializatsiia sel'skoho hos-  
podarstva v Hiriants'komu raioni; zakhidnyi lirostep.  
Kyiv, Derzhsil'hozvydav URSS, 1962. 159 p.

(KIRA 17:9)

1. Naukovo-doslidnyy instytut zemlerobstva i tvarynnytstva  
zakhidnykh rayoniv URSS.

USTINOV, A.M.; VOL'SKIY, V.K.

Effect of the amount of gas in a seam on the length and advancement of  
the longwall. Nauch. trudy KNIUI no.16:134-140 '64. (MIRA 18:7)

VOL'SKIY, V.S., inzh.; MARKOVA, V.I., tekhnik; ZHMAKIN, D.F., inzh.;  
GRINBERG, R.Ya., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[General time norms used in the machinery industry for technical standardization of preparatory work on metal elements; small-lot and piece production] Obshch mashinostroitel'nye normativy vremeni dlia tekhnicheskogo normirovaniia zagotovitel'nykh rabot po metallokonstruktsiiam; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962. 102 p. (MIRA 15:12)

1. Moscow. Tsentral'noye byuro promyshlennykh normativov po trudu. 2. Vsesoyuznyy proyektno-tekhnologicheskii institut Ministerstva transportnogo mashinostroyeniia SSSR (for Zhmakin, Markova, Vol'skiy).

(Machine-shop practice-- Production standards)



VOLSKIY, V.S.

ALEKSEYEV, S.A.; ZHAKIN, D.F.; KEREKESH, V.V.; MALOV, A.N.;  
MARTSINOVSKIY, P.I.; MOLOTOK, A.V.; NESMELOV, V.A.;  
TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;  
SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;  
STORozHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;  
FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;  
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;  
STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',  
B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry  
in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v  
4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-  
ry. Vol.3. [Establishing norms for founding, stamping, welding,  
painting, metal plating, and woodwork] Normirovanie litsinykh,  
kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-  
bot, metallopokrytii i derevoobrabotki. 1962. 671 p.  
(MIRA 15:4)

(Machinery industry—Production standards)

VOLSKIY, V.S.

ALEKSEYEV, S.A.; ZHMAKIN, D.F.; KERKESH, V.V.; MALOV, A.N.;  
~~MARTSINOVSKIY~~, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;  
 TEVEROVSKIY, P.A.; KHISIN, R.I.; DELITSIN, A.A., retsenzent;  
 SOKINOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;  
 STOROZHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;  
 FAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;  
 KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;  
 STRUZHESTRAKH, Ye.I., red.; SEMENOVA, M.M., red. izd-va; MODEL',  
 B.I., tekhn. red.

[Manual for the establishment of norms in the machinery industry  
 in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v  
 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-  
 ry. Vol.3. [Establishing norms for founding, stamping, welding,  
 painting, metal plating, and woodwork] Normirovanie litsinykh,  
 kuznechnykh, shtampovochnykh, svarochnykh, lakokrasochnykh ra-  
 bot, metallopokrytii i derevoobrabotki. 1962. 671 p.  
 (MIRA 15:4)

(Machinery industry—Production standards)

VOL'SKIY, Vladimir Stepanovich; GORDON, Khaim Itskovich; KHOKHLOV, V.S.,  
inzh., retsenzent; TSEYTS, I.M., retsenzent; DESYATKOV, M.I.,  
inzh., red.; DOBRITSINA, R., tekhn.red.

[Establishing enlarged norms for metal cutting; generalization  
of the practice in establishing enlarged norms] Ukrupnennoe  
tekhnicheskoe normirovanie stanochnykh rabot; obobshchenie  
opyta razrabotki ukрупnennykh normativov. Moskva, Mashgiz,  
1961. 206 p. (MIRA 14:12)

(Factory management) (Metal cutting)

VINNIK, L.M.; GRINBERG, R.Ya.; KAMINSKIY, Ya.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARITONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN, V.A., retsenzent; VASIL'YEV, D.T., retsenzent; GORETSKAYA, Z.D., retsenzent; KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent; KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent; KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B., retsenzent; NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.; KHISIN, R.I., red.; SEMENOVA, M.M., red. izd-va; MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the manufacture of machinery; in 4 volumes] Spravochnik normirovshchika-mashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms for operating machine tools] Tekhnicheskoe normirovanie stanochnykh rabot. Pod red. E.I.Struzhestrakha. 1961. 392 p.

(MIRA 14:8)

(Industrial management) (Machine tools)

SERGEYEV, A.V.; VOL'SKIY, V.S., inzhener, retsenzent; AKSARIN, D.I.  
inzhener, ~~retsensent~~; GAL'TSOV, A.D., inzhener, redaktor;  
SAKSAGANSKIY, T.D., redaktor; BOGOLYUBOVA, I.Yu., redaktor;  
TIKHONOV, A.Ya., tekhnicheskiy redaktor.

[Technical norms in machine-shops] Tekhnicheskoe normirovanie v  
mekhanicheskikh tsakhakh. Izd.2-e, perer. i dop.Moskva, Gos.  
nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1955. 231 p.(MLBA 8:11)  
(Machine-shop practice)

VOL'SKIY V.S., inzhener.

Consolidating time study units. Stroiki dor. mashinost. 1 no. 3:30-  
34 Mr '56. (MLRA 10:1)

(Time study)

GAL'TSOV, A.D.; DENISYUK, I.N.; LEVANDOVSKIY, S.N.; LOSEV, A.G.; PEZIK, M.O.; PETROCHENKO, P.P.; SAVOS'KIN, N.M.; TRUBITSKIY, G.R.; KHISIN, R.I.; KHRAMILIN, V.A.; ALEKSEYEV, S.S., retsenzent; GAL'PERIN, L.I., retsenzent; GRANOVSKIY, Ye.N., retsenzent; ZAKHAROV, N.N., retsenzent; KVASHIN, S.A., retsenzent; KEREKESH, V.V., retsenzent; KOTENKO, I.N., retsenzent; LIVSHITS, I.M., retsenzent; LERNER, G.V., retsenzent; NEVSKIY, B.A., retsenzent; NOVIKOV, V.F., retsenzent; RAZAMAT, E.S., retsenzent; SERGEYEV, A.V., retsenzent; STEFANOV, V.P., retsenzent; TOLCHENOV, T.V., retsenzent; FEDOTOV, F.G., retsenzent; VOL'SKIY, V.S., red.; STRUZHASTRAKH, Ye.I., red.; USPENSKIY, Ya.K., red.; SEMENOVA, M.M., red.izd-va; MODEL', B.I., tekhn.red.

[Handbook for work-norm experts in machine manufacture] Spravochnik normirovshchika-mashinostroitelia v 4 tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. [Fundamentals of technical normalization] Osnovy tekhnicheskogo normirovaniia. 1959. 676 p. (MIRA 12:12)

(Standardization)

VOL'SKIY, V.S.

MOLOTOK, A.V.; DMITRIYEV, A.I.; GORBATENKO, A.I.; SHAROYAN-SARINGULYAN, G.P.; MALAKHOV, P.Ye.; KRIVOUKHOV, V.A., doktor tekhn.nauk, red.; GRANOVSKIY, G.I., prof., doktor tekhn.nauk, red.; TRET'YAKOV, I.P., prof., doktor tekhn.nauk, red.; ALEKSEYEV, S.A., dotsent, red.; MALOV, A.N., dotsent, kand.tekhn.nauk, red.; SHAKHNAZAROV, M.M., dotsent, red.; VOL'SKIY, V.S., red.; GAL'TSOV, A.D., red.; KABANOV, M.Ya., red.; TOLCHENOV, T.V., red.; KHARITONOV, A.B., red.; KHISIN, R.I., red.; SHOR, M.I., red.; SEMENOVA, M.M., red. izd-va; EL'KIND, V.D., tekhn.red.

[Time norms in general machinery manufacturing for applying coats of lacquer; large, medium, and small scale production]  
Obshchemashinostroitel'nye normativy vremeni na lakokrasochnye pokrytiia; krupnoseriinoe, seriinoe i melkoseriinoe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 83 p. (MIRA 12:6)

1. Moscow. Nauchno-issledovatel'skiy institut truda. TSentral'noye byuro promyshlennykh normativov po trudu. 2. Rabotniki otdela trudovykh normativov Nauchno-issledovatel'skogo instituta traktoreisel'khozmashe (for Molotok, Dmitriyev, Gorbatenko, Sharoyan-Saringulyan, Malakhov).

(Painting, Industrial)

(Machinery industry)



BYKOV, Boris Vladimirovich, ekonomist; VOL'SKIY, V.S., inzhener; KOVALEV, F., inzhener, laureat Stalinskoy premii.

[Generalization and comprehensive introduction of Stakhanovite practice; initiative of innovators of the Sverdlovsk Order of the Red Banner of Labor "Pnevmostroimashina" named after Ordzhonikidze] Oboshchenie i kompleksoe vnedrenie stakhanovskogo opyta; pochin novatorov Sverdlovskogo ordena trudovogo krasnogo znameni zavoda "Pnevmostroimashina" im. Ordzhonikidze. [Sostaviteli: B.V.Bykov i V.S.Vol'skii] Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'nykh, 1953. 46 p. (MLHA 6:7)

1. Sverdlovskiy Ordena trudovogo krasnogo znameni zavod "Pnevmostroimashina" imeni Ordzhonikidze. (Building machinery industry)

KOCHETKOV, Georgiy Dmitriyevich,; ORUN, L.M., inzh., ratsenzent,; VOL'SKIY,  
V.S., inzh., red.; BARYKOVA, G.I., red. izd-va,; GERASIMOVA, Ye.S.,  
tekhn. red.

[Experience in high-output grinding; cylindrical grinding in a  
tool section] Opyt vysokoproizvoditel'nogo shlifovaniia; krugloe  
shlifovanie v instrumental'nom tsakhe. [Moskva] Gos. nauchno-tekhn.  
izd-vo mashinostroit lit-ry, 1958. 36 p. (MIRA 11:10)  
(Grinding and polishing)

VELICKY, V S

5/5  
72.12  
Tokar'-skorostnii oboshcheie ie opta to-nrei-novatorev (High-speed  
metal-turner; generalizing of turner-innovators practice,  
By) V. S. Vol'skiy, Kh. I. Borion, and I. P. Solodov, Moskva,  
Mashingiz, 1953.  
135 p. diagrs., tables.

SOLODOV, I. P., ENG., VOLOSKIIY, V. S., ENG.

Turning

Introducing everywhere high speed lathe work in assembly line machine construction. Test.  
mash, 32 No. 2 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

DERYABINA, V.I.; inzh.; MOROZOV, D.A.; TSARITSENKO, N.I.; STROCHILIN,  
F.A.; VOL'SKIY, V.S., inzh.; VLADIMIROVA, L.A., tekhn.  
red.

[General time norms used in the machinery industry for  
technical standardization of free hammer forging proces-  
ses; small lot and piece production] Obshchemashino-  
stroitel'nye normativy vremeni dlia tekhnicheskogo normi-  
rovaniia rabot po svobodnoi kovke pod molotami; melko-  
seriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962.  
107 p. (MIRA 15:7)

1. Moscow. Tsentral'noye byuro promyshlennykh normativov po  
trudu. 2. Vsesoyuznyy proyektno-tekhnologicheskii institut  
tyazhelogo mashinostroyeniya (for Deryabina, Morozov,  
TSaritsenko, Strochilin, Vol'skiy). 3. Nachal'nik otdela  
tekhnicheskikh normativov po trudu Nauchno-issledovatel'-  
skogo instituta truda (for Vol'skiy).  
(Forging—Production standards)

SEMINSKIY, V.K.; VOL'SKIY, V.S., inzh., red.

[Increasing labor productivity in machining on lathes]  
Povyshenie proizvoditel'nosti truda pri rabote na to-  
karnykh stankakh. Izd.2., perer. i dop. Moskva, Ma-  
shinostroenie, 1965. 102 p. (MIRA 18:2)

VOL'SKIY, V.V.

Postwar aggravation of the Anglo-American fight for oil and the shifts in  
the geography of the petroleum industry of capitalist countries. Vop.  
geog. vol.29:126-162 '52. (MLBA 6:7)

(Petroleum industry)

*VOL'SKIY, V.V.*  
PRATT, Wallace Everett; GOOD, D.; BOROVIK, L.Ya.[translator]; MIKHAYLOVA, V.P.,  
[translator]; VOL'SKIY, V.V., red.; LEVINSON, V.G., red. geolog. chast'.  
~~Red. 1~~

[Geography of petroleum] Geografiya nef'ti. Sokrashchennyi  
perevod s angliyskogo L.Ya.Borovika i V.P.Mikhaylova. Red. i  
predial. V.V.Vol'skogo. Red. geologicheskoy chast' V.G.Levinsona.  
Moskva, Izd-vo inostrannoy lit-ry, 1954. 288 p. (MIRA 11:1)  
(Petroleum)



VOL'SKIY, Viktor Votslavovich; OLINKIN, Anatoliy Nikolayevich; LAURENT'YEVA,  
Ye.V., redaktor; NOGINA, N.I., tekhnicheskiiy redaktor.

[Brazil] Brasiliia. Moskva, Gos. izd-vo geogr. lit-ry. 1956. 87 p.  
(Brazil--Geography) (MLBA 9:5)

~~VOLOS'KIY, N. M.~~ BACHINER, B. Ye.; BILEN'KIY, A. B.. redaktor; VILE SZAY.  
S. B., tekhnicheskiiy redaktor

[Venezuela, Colombia, Ecuador, Guiana] Venezuela, Kolombiya,  
Ekvador, Gviana. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 31 p.  
(South America) (MLRA 10:10)

VOL'SKIY, N.; DOLININ, A.; VOLKOV, A.; TIKHOMIROV, V.P., otvetstvennyy red.;  
CHIZHOV, N.N., red.; VILENSKAYA, N.N., tekhn. red.

[Brazil, Bolivia, Paraguay, Uruguay] Braziliia, Boliviia, Paragvai,  
Urugvai. Moskva, Gos. izd-vo geogr. lit-ry, 1958. 31 p.  
(Brazil) (Bolivia) (Paraguay) (Uruguay) (MIRA 11:7)

VOL'SKIY, V.V.

Cuban scientist and honorary doctor of geographical sciences  
of Moscow University. Vest.Mosk. un. Ser. 5: Geog. 15 no.4:65-66  
Л - Аг '60. (MIRA 13:9)

(Núñez Jiménez, Antonio)

VOL'SKIY, V.V.

Present-day status and projects for utilizing water power resources  
in southeastern Brazil. Vest.Mosk. un. Ser. 5: Geog. 17 no.1:20-26  
Ja-F '62. (MIRA 16:7)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisti-  
cheskikh i slaborasvitykh stran Moskovskogo universiteta.  
(Brazil—Hydroelectric power)

VOL'SKIY, V.V.

Several problems in the theory and practice of economic geography.  
Vest. Mosk. un. Ser. 5: Geog. 18 no.4:14-24 J1-Ag '63.

(MIRA 17:2)

1. Kafedra ekonomicheskoy i politicheskoy geografii kapitalisticheskikh i slaborazvitykh stran Moskovskogo universiteta.

VOI'SKIY, V.V.

Economic and geographical problems of developing the power resources  
of Brazil. Vop. geog. no.64:131-159 '64. (MIRA 17:10)

1. Moskovskiy gosudarstvennyy universitet, geograficheskiy fakul'-  
tet.

L 17851-66 EWA(h)/EEC(k)-2/EWT(1)

ACC NR: AP6004555

(A)

SOURCE CODE: UR/0103/66/000/001/0119/0132

AUTHOR: Vol'skiy, V. Ye. (Leningrad)

ORG: None

36  
B

TITLE: Design of relay circuits using the standard USEPPA device

SOURCE: Avtomatika i telemekhanika, no. 1, 1966, 119-132

TOPIC TAGS: pneumatic control, mechanical relay

ABSTRACT: The author investigates methods of designing pneumatic relay systems using the standard USEPPA device (T. K. Berends, A. A. Tagayevskaya, A. A. Tal', Sb. "Pnevmo- i gidroavtomatika", Izd-vo "Nauka", 1964) constructed from single-output three-membrane relays shown in Fig. 1. The representation of the Boolean function in the form of a superposition of the operators of the circuit is achieved by additional transformations based on the cascade approach (G. N. Povarov, Avtomatika i telemekhanika, t. XVIII, No. 2, 1957). The author presents pneumatic relay operators for various possible connection combinations, outlines the properties of the cascade method expansion functions, reduces the various operators to a standard form, and describes the steps for the establishments of schemes. Three examples of Boolean function realization are derived. The proposed method  
Card 1/2

UDC: 62-525

2



L 17851-66

ACC NR: AP6004555

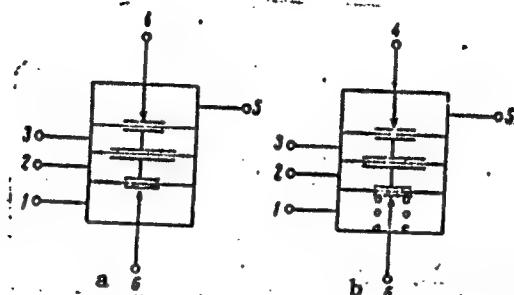


Fig. 1. Three membrane relays.

Connecting pipes 2 and 3 serve as inputs. Pipes 1, 4, 5, and 6 in appropriate combinations join to form the single output.

can be also used for equivalent circuit transformations. Orig. art. has: 86 formulas, 7 figures, and 2 tables.

SUB CODE: 13 / SUBM DATE: 21Dec64 / ORIG REF: 003 / OTH REF: 001

Card 2/2 nst

VOL'SKIY, V.Ye. (Leningrad)

Method for constructing matrices of state of intermediate  
elements in the synthesis of multicycle switching systems.  
Avtom. i telem. 26 no.3:551-555 Mr '65.

(MIRA 18:6)

VOL'SKIY, V.Ye., Inzh.

Pneumatic relay technique in overall automation systems of marine  
gas turbine and combined power plants. Sudostroeniye 31 no.4:25-29  
Ap '65. (MIRA 18:8)

VOL'SKIY, Ye.P.

Studying the Fermi surface of aluminum by the method of quantum oscillations of high-frequency surface resistance. Zhur. eksper. i teor. fiz. 46 no.1:123-133 Ja'64. (MIRA 17:2)

1. Institut fizicheskikh problem AN SSSR.

247700

S/056/62/043/003/061/063  
B104/B102

AUTHOR: Vol'skiy, Ye. P.

TITLE: The quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 1120-1122

TEXT: These oscillations (3 Mcps) of  $\sigma_T \ll 1$  were studied at  $1.7^\circ\text{K}$  in magnetic fields of 0.8-8 koe, by a generator method (Fig. 1) frequently used in nuclear magnetic resonance investigations. A bismuth crystal was arranged as shown in Fig. 1. The magnetic field was modulated with 80 cps. The oscillations were measured with various directions between magnetic field and base plane. The results were compared with a three-ellipsoid Fermi surface model proposed by D. Shoenberg (Progr. in Low Temperature Physics, ed. by C. J. Gorter, 2, 1957). They prove the correctness of the proposed model and are consistent with measurements at  $10^{10}$  cps. There are 3 figures.

Card 1/2

The quantum oscillations of the...

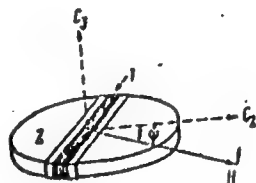
S/056/62/043/003/061/063  
B104/B102

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute  
of Physical Problems of the Academy of Sciences USSR)

SUBMITTED: July 11, 1962

Fig. 1. Directions of specimen,  
of h.f.-current and of magnetic field.

Legend: (1) induction of generator  
circuit, (2) bismuth single crystal.



Card 2/2.

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of bismuth  
in a magnetic field. Zhur. eksp. i teor. fiz. 43 no.3:1120-1122 '62.  
(MIRA 15:10)

1. Institut fizicheskikh problem AN SSSR.  
(Bismuth) (Quantum theory) (Magnetic fields)

ACCESSION NR: AP4012531

S/0056/64/046/001/0123/0133

AUTHOR: Vol'skiy, Ye. P.

TITLE: Investigation of the Fermi surface of aluminum by the method of the quantum oscillations of the high frequency surface resistance

SOURCE: Zhurnal eksper. i teoret. fiz., v. 46, no. 1, 1964, 123-133

TOPIC TAGS: aluminum, Fermi surface, nuclear magnetic resonance, surface resistance, high frequency surface resistance, quantum oscillation, surface resistance quantum oscillation, nuclear magnetic resonance spectrometer

ABSTRACT: In order to draw more definite conclusions on the Fermi surface of aluminum, quantum oscillations of the surface resistance of single-crystal aluminum were investigated with a nuclear magnetic resonance spectrometer at 5 Mc/sec in fields up to 12 kG and a temperature 1.6K. Long-period and short-period oscillations are ob-

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ACCESSION NR: AP4012531

served. Measurements of the periods of the oscillations as functions of the reciprocal field yielded the anisotropy of the extremal Fermi-surface cross sections in the (100) and (110) planes for various field directions. Several characteristic features of the shape of the Fermi surface of aluminum follow directly from the obtained results. A complete analysis of the experimental results indicates agreement with the model of N. W. Ashcroft (Phys. Lett. v. 4, 202, 1963) of the Fermi surface of aluminum in zone III. "The author is grateful to P. L. Kapitsa and A. S. Borovik-Romanov for interest in the work, to M. S. Khaykin and R. T. Mina for great help and a discussion of the results, and to Dr. Ashcroft for his particularly valuable private communication." Orig. art. has: 8 figures and 4 formulas.

ASSOCIATION: Institut fizicheskikh problem AN SSSR (Institute of Physics Problems AN SSSR)

Card 2/β<sup>2</sup>

ACCESSION NR: AP4042564

S/0056/64/046/006/2035/2041

AUTHOR: Vol'skiy, Ye. P.

TITLE: Quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 2035-2041

TOPIC TAGS: bismuth, quantum statistics, conduction band, Fermi surface, hole conduction

ABSTRACT: Elaborating on a preliminary study of the quantum oscillations of the quasistatic conductivity of bismuth in a magnetic field (ZhETF v. 43, 1120, 1962), the author reports a further detailed study of the anisotropy of the extremal cross sections and of certain features of oscillations, both for the electron and hole parts of the Fermi surface of bismuth. The quantum oscillations of the Shubnikov--deHaas type were investigated in bismuth single crystals

Card 1/3

ACCESSION NR: AP4042564

at 1.6K in 5 Mc fields up to 12.5 kG, using an experimental technique described in the earlier paper (see also ZhETF v. 46, 123, 1964). The fact that the relative amplitude of the oscillations corresponding to different portions of the Fermi surface changes with the directions of the linear high-frequency currents in the sample yielded curves that were easy to interpret. A study of the hole oscillations showed that their period depends on the magnetic field intensity, and that a sharp reduction of the oscillation amplitude occurs for certain directions of the magnetic field. "In conclusion the author thanks M. S. Khaykin and V. S. Edel'man for the bismuth sample and for discussing the results, and also A. A. Abrikosov, L. A. Fal'kovskiy, and R. T. Mina for valuable discussions." Orig. art. has: 7 figures.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR  
(Institute of Physics Problems, Academy of Sciences SSSR)

Card 2/3

ACCESSION NR: AP4042564

SUBMITTED: 23Jan64

DATE ACQ:

ENCL: 00

SUB CODE: NP, SS

NR REF SOV: 005

OTHER: 003

Card 3/3

VOL'SKIY, Ye.P.

Quantum oscillations of the quasi-static conductivity of  
bismuth in a magnetic field. Zhur. eksp. i teor. fiz. 46 no. 6: 2035-  
2041 Je '64.

1. Institut fizicheskikh problem AN SSSR,

(NIP 17-10)

VOL'SKIY, Ye.V., kand.tekhn.nauk; POROKHIN, A.A., kand.tekhn.nauk

Applying the results of the research of the All-Union  
Scientific Research Institute of the Plywood Industry  
in production. Der.prom. 14 no.11:27-29 N '65.

(MIRA 18:11)

VOL'SKIY, Ye.V.; POROKHIN, A.A.

Semiautomatic production line in the section peeling-clipping-lay  
up of veneer sheets. Der.prom. 11 no.11:17-19 N '62.

(MIRA 15:12)

(Veneers and veneering) (Assembly-line methods)

VOL'SKIY, Y. K., inzh.

Grinding cutting tools used in plowing curled veneer sheets. Der.  
prom. 7 no.3;7-8 Mr '58. (MIRA 11:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.  
(Grinding and polishing)



VOL'SKIY, Ye.V., inzh.

Manufacturing peeled corrugated veneer. Trudy TSNIIFM 1:30-53  
'60. (MIRA 16:5)

(Veneers and veneering)

VOL'SKII, Z.

VOL'SKII, Z. Vsia Sibir'. Spravochnaia kniga po vsem otrasliam kul'turnoi i torg.-promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburg-skom adresnom dielie, 1908. 582 p.

DLC: UNclass.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

VOL'SKII, Z.

VOL'SKII, Z. Vsa Sibir'. Spravochnaia kniga po vsem otrasliam kul'turnoi i torg.-  
promyshl. zhizni Sibiri. Izd. I. S.-Peterburg, Izd. pri Pervom S.-Peterburgskom  
adresnom dielie, 1908. 582 p.

DIC: Unclass.

SO: IC, Soviet Geography, Part II, 1951/Unclassified

VOLSKOV, A.A. (Sverdlovsk)

In the Commission for the History of Technology at the Presidium  
of the Ural Branch of the Academy of Sciences of the U.S.S.R.  
Vop. ist. est. i tekhn. no.6:224-226 '59. (MIRA 12:6)  
(Ural Mountain region--Technology)

USSR/Chemistry - Synthesis Quinuclidine

Jul 49

"Synthesis of Quinuclidine (I)," H. V. Rukhtsov, V. A. Volokova, All-Union  
Sci Res Chemicophar Inst imeni Ordzhonikidze, Moscow, 3 3/4 pp

"Zhur Obshch Khim" Vol XIX, No 7

Describes synthesis of I, starting with beta-(piperidyl-(4))-propionic  
acid and progressing through intermediate stages over corresponding  
N-benzoyl derivative and beta-(N-benzoyl-piperidyl-(4))-ethylbromide.  
Submitted 17 Mar 47.

PA 2/5CT67

VOLSKOVA, V. A.

Synthesis of (5-ethyl-2-quinuclidinyl)(2-pyridyl)carbinol.  
 V. M. V. Rybitsky and V. A. Volskova (G. Ordzhonikidze  
 All-Union Sci. Research Chem. Inst., Moscow).  
 Zhur. Khim. Khim. 23, 1035-8 (1933); cf. C.A. 41,  
 7634. To 2.4 g. Na in 4.8 g. abs. EtOH in Et<sub>2</sub>O was added  
 15 g. Et picolinate and 17 g. Et N-benzoylhomocincholol-  
 oinate, the Et<sub>2</sub>O removed by heating to 80°, the mixt.  
 stirred 4 hrs. at 80°, cooled, quenched in H<sub>2</sub>O, extd. with  
 Et<sub>2</sub>O, and the aq. layer neutralized with H<sub>2</sub>SO<sub>4</sub>, and again  
 extd. with Et<sub>2</sub>O, yielding 55.1% red oily 2-(3-ethyl-1-benzoyl-  
 4-piperidyl)-1-carboethoxyethyl 2-pyridyl ketone, which with-  
 out purification was refluxed 4 hrs. with 10 parts 17%  
 HCl, the product washed with Et<sub>2</sub>O, made alk. with 50%  
 KOH, and extd. with Et<sub>2</sub>O, yielding 5.88 g. crude 2-(3-  
 ethyl-4-piperidyl)ethyl 2-pyridyl ketone; this treated in 10  
 ml. abs. EtOH with 1.05 g. (CO<sub>2</sub>H), in 5 ml. abs. EtOH and  
 dild. with 125 ml. dry Me<sub>2</sub>CO yielded a ppt. of the pure  
 ketone oxalate, (C<sub>17</sub>H<sub>21</sub>ON<sub>2</sub>)<sub>2</sub>C<sub>2</sub>H<sub>2</sub>O<sub>4</sub>, m. 175.5-7.0° (from  
 EtOH), in 44.0% yield. The oily free base (2.69 g.) in 10  
 ml. 48% HBr treated at 60° with 1.74 g. Br in 9 ml. 48%  
 HBr, the mixt. stirred 20 min. at 80°, evapd. in vacuo,  
 the residue treated with 12.2 g. NaHCO<sub>3</sub> in 60 ml. H<sub>2</sub>O and  
 60 ml. CHCl<sub>3</sub>, shaken 2 hrs., the aq. layer extd. with  
 CHCl<sub>3</sub>, and the combined CHCl<sub>3</sub> soln. evapd. gave 65% 5-  
 ethyl-2-quinuclidinyl 2-pyridyl ketone, b.p. 155-6°, [α]<sub>D</sub><sup>20</sup>  
 76.2° (EtOH) immediately, [α]<sub>D</sub><sup>20</sup> 76.7° (EtOH) after 24  
 hrs. The ketone (2.47 g.) in 20.2 ml. N HCl shaken with  
 10 ml. 2% PdCl<sub>2</sub> soln. until the orange ppt. dissolved and  
 the mixt. hydrogenated at a slight H pressure and room

temp. yielded 2.28 g. corresponding carbinol, b.p. 125-127°  
 [α]<sub>D</sub><sup>20</sup> 70.3° (in EtOH). Attempts to sep. the expected 1  
 stereoisomers through the tartrates or camphor quinoxins  
 were unsuccessful. Boiling with dil. AcOH cleaved the  
 quinuclidinyl ring, yielding 2-(3-ethyl-4-piperidyl)ethyl 2-  
 pyridyl ketone. The carbinol was inactive against avian  
 malaria. Synthesis of (2-quinuclidinyl) 2-pyridylcarbinol.  
 VI. Ibid. 1694-91. To EtONa from 1.25 g. Na and 2.5 g.  
 EtOH suspended in Et<sub>2</sub>O was added 7.5 g. Et picolinate  
 and 8.5 g. Et 3-(1-benzoyl-1-piperidyl)propionate, the Et<sub>2</sub>O  
 distd., the mixt. heated 4 hrs. at 80°, dild. with Et<sub>2</sub>O,  
 cooled, shaken with cold H<sub>2</sub>O, the aq. layer washed with  
 Et<sub>2</sub>O, and treated with 10% H<sub>2</sub>SO<sub>4</sub> until neutral; extn. with  
 Et<sub>2</sub>O gave 57.6% crude 2-(1-benzoyl-1-piperidyl)-2-carboeth-  
 oxyethyl 2-pyridyl ketone, which, refluxed 1 hrs. with 10  
 parts 17% HCl, was cleaved to 75.6% 2-(1-piperidyl)-  
 ethyl 2-pyridyl ketone, an oil; mono-HCl salt, m. 182.5-  
 4.5° (crude), m. 189.5-90.0° (from EtOH-Me<sub>2</sub>CO). The  
 HCl salt (2 g.) in 7.5 ml. 48% HBr treated at 50° with  
 1.25 g. Br in 9 ml. 48% HBr, the mixt. heated 15 min. to  
 80°, evapd. in vacuo, and the residue rubbed with abs.  
 EtOH and dild. with dry Me<sub>2</sub>CO gave 81.6% yellow 2-(1-  
 piperidyl)-1-bromoethyl 2-pyridyl ketone, 2.95 g. di-HBr  
 salt, decomp. 170-1°. Treated in CHCl<sub>3</sub> with 3.1 g. NaHCO<sub>3</sub>  
 in 45 ml. H<sub>2</sub>O and shaken 2.5 hrs. gave 63.7% 2-quinuclidin-  
 yl 2-pyridyl ketone, m. 71.5-3.0° (from petr. ether), hydro-  
 genated over Pd in N HCl to mixed diastereoisomeric race-  
 mates of (2-quinuclidinyl) (2-pyridyl)carbinol, m. 69-84°.  
 After conversion to the mono-HCl salts in alc. HCl, a sepr.  
 was accomplished by fractional crystn. from EtOH. The  
 less sol. isomer of the HCl salt, m. 232-3° (from abs. EtOH),  
 gave the free carbinol, m. 118-19° (from petr. ether), which  
 yielded a very hygroscopic di-HCl salt. The mother liquor  
 after sepn. of this isomer gave the HCl salt, m. 176-7°, of  
 the 2nd racemate, whose free base carbinol, m. 89-2°. Both

M.V. Rubtsov

2/2

Isomers suffer cleavage of the quinucridinyl ring in hot aq. AcOH; both were inactive against *Plasmodium relictum*. (2-Quinucridinyl)(1-naphthyl)carbinol. VII. *Ibid.* 1893-6.— To 1.23 g. Ia in 2.46 g. EtOH, suspended in Et<sub>2</sub>O, was added 10 g. Et 1-naphthoate, the mixt. heated to 100° with distn. of Et<sub>2</sub>O, 3.6 g. Et β-(N-benzoyl-4-piperidyl)-propionate added, the mixt. heated 19 hrs. at 100°, cooled to 70°, dild. with 50 ml. C<sub>6</sub>H<sub>6</sub>, and allowed to cool with stirring. The cooled mixt. was treated with 200 ml. ice H<sub>2</sub>O, the aq. layer washed with Et<sub>2</sub>O, neutralized with H<sub>2</sub>SO<sub>4</sub>, and extd. with CHCl<sub>3</sub>, to yield 3.2 g. β-(N-benzoyl-4-piperidyl)-α-carbethoxyethyl 1-naphthyl ketone, which was refluxed 3 hrs. with 20 parts 1:1 EtOH-concd. HCl, yielding 73.3% β-(4-piperidyl)ethyl 1-naphthyl ketone, a yellow oil; HCl salt, m. 173.5-5.0° (from abs. EtOH). This (1.97 g.) in 12 ml. 48% HBr at 70° was treated over 10 min. with 1.03 g. Br in 10 ml. 48% HBr and heated 25 min. at 80°. On cooling there was obtained 88.4% β-(4-piperidyl)-α-bromoethyl 1-naphthyl ketone-HBr. m. 189-90°. This (2.3 g.) in CHCl<sub>3</sub> was shaken 2.5 hrs. with 2.5 g. NaHCO<sub>3</sub> in 30 ml. H<sub>2</sub>O, yielding 60% 3-quinucridinyl 1-naphthyl ketone, m. 98.5-100° (from petr. ether); HCl salt, m. 240-7° (from H<sub>2</sub>O). This (1.62 g.) hydrogenated over Pd in dil. aq. HCl gave 0.37 g. 2-quinucridinyl-1-naphthylcarbinol, m. 200-1°; HCl salt, m. 203.3-5.6°; the less sol. material, racemate A, is sparingly sol. in Et<sub>2</sub>O. The ethereal mother liquor on further evapn. gave 1.08 g. oil, which treated with HCl, gave 0.92 g. HCl salt, m. 207.5-0° (from EtOH-Me<sub>2</sub>CO), of the other racemate, racemate B, the free base of which m. 193-5°. The diastereoisomeric racemates A and B are unchanged after refluxing in AcOH (50%), in which respect they differ from the quinine alkaloids. Both racemates are inactive against avian malaria. O. M. P. Golupoff

RUBTSOV, M.V.; VOISKOVA, V.A.

Synthesis of [quimolidyl-(2)]-[pyridyl-(2)]-carbinol; part 6. *Zhur.ob.khim.*  
23 no.10:1688-1691 0 '53. (MLRA 6:11)

1. Vsesoyuznyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut  
im. S.Otdzhonikidze, Moscow. (Carbinols)



RUBTSOV, M.V.; VOLSKOVA, V.A.

[Quinclidyl-(2)]-[naphthyl-(1)]-carbinol; part 7. Zhur.ob.khiz. 23 no.11:  
1893-1896 N '53. (MIRA 6:11)

1. Vsesoyuznyy Nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut  
im. S.Ordzhonikidze. (Carbinol)

*Vol 5 K 614 P 17*

MAGIDSON, O.Yu.; VOLSKOVA, V.A.

Chloridine. Med.prom. 11 no.12:13-17 D '57.

(MIRA 11:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S.Ordshonikidze.  
(PYRIMIDINE)

MAGIDSON, O.Yu.; VOLSKOVA, V.A.; FEDOSOVA, V.M., [deceased]

Alkamine esters of  $\alpha, \omega$ -diphenylalkylcarboxylic acids.  
Part 3: Derivatives of  $\beta$ -phenyl- $\alpha$ -( $\eta$ -methoxyphenyl)  
propionic,  $\alpha, \beta$ -diphenylpropionic, and  $\alpha, \gamma$ -diphenyl-  
butyric acids. Zhur.ob.khim. 30 no.6:1860-1866 J. '60.  
(MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevti-  
cheskiy institut imeni S. Ordzhonikidze.  
(Propionic acid) (Butyric acid)

VOL'SKIY, Vasil'y Grigor'yevich.

[What the practices of leading corn growers of Lvov Province during 1955 have shown] Shcho pokazav dosvid roboty peredovykiv kukurudzosiannia na L'vivshchyni v 1955 rotsi. L'viv, 1956. 35 p.  
(Lvov Province--Corn (Maize)) (MIRA 11:10)

| PROCESSING AND PROPERTIES INDEX  |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| 1st AND 2nd CODES  |  |  |  |  |  |  |  |  |  |  |  |  | 3rd AND 4th CODES |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>1a</p> <p>Preparation of potassium permanganate by oxidation with air. V. L. Volynskaya, <i>Zhurnal Khim. 11, 181 (1945)</i>. Heat 400 g. of KOH soln. to boiling in a cast-iron vessel, force compressed air into the boiling soln. through a glass tube reaching almost to the bottom of the vessel and simultaneously through a Buchner funnel inverted over the liquid (this facilitates mixing of the soln. and prevents losses of KOH due to spattering). Add 400 g. of pyrochlore in small portions to the soln. After the mass thickens, discontinue the passing of air through the glass tube. Further heating transforms the melt into powder. Ignite the powder for 3 hrs., passing air continuously through the Buchner funnel, cool, treat with hot water in a current of CO<sub>2</sub>, filter, and evaporate to obtain KMnO<sub>4</sub> crystals or use it directly as KMnO<sub>4</sub> soln.</p> <p>W. R. Henn</p> |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>6</p>   |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>ASM-AIA METALLURGICAL LITERATURE CLASSIFICATION</p>   |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |
| <p>1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900</p>   |  |  |  |  |  |  |  |  |  |  |  |  |                   |  |  |  |  |  |  |  |  |  |  |  |  |

| 117 AND 118 OBJECT  |  | 119 AND 120 OBJECT |  |
|---|--|--------------------|--|
| PROCESS AND PROPERTIES INDEX  |  |                    |  |
| <p>22</p> <p>10</p> <p>Preparation of oxalic acid from dextrin. V. L. Volskova. <i>Zavodskaya Lab.</i> 11, 481(1915).—Add slowly with mixing 800 ml. of <math>\text{HNO}_3</math> (d. 1.23) to 100 g. of dextrin in a 1-l. porcelain beaker and filter through a funnel with glass wool. Add 0.1 g. of <math>\text{H}_2\text{V}_2\text{O}_8</math> to the clear filtrate, heat until brown vapors of N oxides appear, and place the beaker in cold water to prevent the decompn. of <math>(\text{CO}_2\text{H})_2</math> formed. Conc. the soln. by slow evapn. (without decomposing the acid), cool, filter the <math>(\text{CO}_2\text{H})_2</math> crystal, formed through a Buchner funnel, wash cake with small portions of water, and dry. Conc. of the mother liquor yields an addnl. quantity of <math>(\text{CO}_2\text{H})_2</math>. The yield of <math>(\text{CO}_2\text{H})_2</math> is approx. 80%. W. R. Henn</p> |  |                    |  |
| DETAILS OF LITERATURE CLASSIFICATION  |  |                    |  |
| 121 AND 122 OBJECT  |  | 123 AND 124 OBJECT |  |
| 125 AND 126 OBJECT  |  | 127 AND 128 OBJECT |  |

POLAND / Physical Chemistry. Kinetics. Combustion. B  
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 21, 1958, 70142.

Author : Krause, Vol'sky, Dankevich.

Inst : Not given.

Title : The Catalytic Oxidation of  $As_2O_3$  by Air Oxygen in the Presence of  $Mn(OH)_2$ .

Orig Pub: Roczn. Chem., 1957, 31 No 3, 783 - 791.

Abstract: It was demonstrated that  $Mn(OH)_2$  catalyzes effectively the oxidation of  $As_2O_3$  by air oxygen at  $18^\circ C$ . The effect of various parameters upon this system has been investigated. The pH of the system has a great influence upon the reaction velocity.  $Co(OH)_2$  and  $Cu(OH)_2$  promote the above reaction of  $Mn(OH)_2$ .

Card 1/1

VOLSKY

POLAND / Physical Chemistry. Kinetics, Combustion,  
Explosions, Topochemistry, Catalysis.

B

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53016.

Author : Krause, ~~Volsky~~, Svetlyak.

Inst : Not given.

Title : Cuprous Oxide Activity in Regard to a Catalytic  
Mutation.

Orig Pub: Roczn. chem., 1957, 31, No 2, 413-419.

Abstract: In the decomposition of  $H_2O_2$  the catalytic activity  
of pure  $Cu_2O$  (I) was investigated as well as that  
of a I used as a carrier for the series of ions;  
 $[Fe(CN)_6]^{4-}$ ,  $Fe^{3+}$ ,  $WO_4^{2-}$ ,  $Co^{2+}$ ,  $Al^{3+}$ ,  $Ni^{2+}$ . It

Card 1/2



S.C. 4.

and Materials

**VOLSKY, I.G.**

Re. Innovation of the loading of tyres (into boats).  
By Volsky and V.A. Smolov (Kavchuk i Rezina,  
No. 1, 66; Rev. Gen. Count., Doc. Anal.,  
No. 22, 51).—A special device is described de-

signed to convey tyres from the depot to the boat,  
on which they are to be loaded. An inclined plane  
and an air cable are utilised. 7542

1946

VOL'SON, I.; KOROLEV, M.

Use of an electronic calculating machine in planning and accounting for labor and wages. *Biul.nauch.inform.: trud i zar.plata*  
no.11:26-33 '59. (MIRA 13:5)

(Electronic calculating machines)  
(Moscow--Automobile, Industry--Accounting)

*Dist. Abs.*

Processes occurring in the sintering of zinc phosphate based cements.  
V. F. Zhuraviev, S. I. Yelisei and B. I. Shvetzova (*J. appl. Chem., U.S.S.R., 1959, 32, 118-120*).—The influence of temp. (1100–1250°) on ZnO, MgO, CaO, and SiO<sub>2</sub> the binary systems ZnO–MgO, ZnO–SiO<sub>2</sub>, ZnO–CaO, ternary systems ZnO–MgO–SiO<sub>2</sub>, ZnO–MgO–CaO, ZnO–SiO<sub>2</sub>–CaO, and a quaternary system ZnO–MgO–CaO–SiO<sub>2</sub> without and with mineralizers has been studied. Fresh optical and X-ray analysis prove that at these temp. willemite (Zn<sub>2</sub>SiO<sub>4</sub>) is formed. A solid solution of ZnO in MgO is also formed, which may contain up to 25–30 wt.-% of ZnO. The unit cell of ZnO increases from 4.268 for pure MgO to 4.288 Å. for a calcined mixture of MgO 80 and ZnO 20%. Cement powder obtained after calcining consists of the following phases: (1) ZnO; (2) solid solution of ZnO in MgO; (3) small quantity of Zn<sub>2</sub>SiO<sub>4</sub>; and (4) small quantities of other components of secondary importance. At temp. investigated partial fusion, coarsening, and settling of ZnO crystals occurs, especially in presence of SiO<sub>2</sub>. Mineralizers have a great effect in this respect, especially cryolite (2) and the mixture of cryolite (1) and borax (1%); they also make possible the lowering of the sintering temp. by 100–150°. Compressive strength of the cement containing mineralizers increases by more than 100%, and generally the cement is of much better quality than one without mineralizers.  
J. B. J. Zana.

VOL'SOV, V.F., inzh.; IVAN'KO, T.Ya, inzh.

Constructing foundations for buildings of few stories above the  
freezing depth. Stroi prom. 36 no. 7:16-18 Jl '58. (MIRA 11:8)  
(Foundations)  
(Frozen ground)

VOL'SOVA, Ye. Ye.

"Pathologic Anatomy in cases of Poisoning by Caustic Soda" by Ye. Ye. Vol'sova, Chair Forensic Medicine (Chief Prof. V. F. Chervakov), First Moscow Ord Lenin Med. Inst. pp. 57-76

SO: Luchshiye Nauchnyye Raboty Aspirantov (Best Scientific Work of Aspirants) Submitted at Medical Higher Educational Institution and Sci Res Inst. Published by Medgiz, Moscow, 1951. Edited by Prof. A. G. Gukasyan. Armed Forces Med Lib WD 5 G 969L 1951

VOLTA, M., doc.

Demographic standpoint in protecting woman's health and modern problems of human reproduction. Cesk. gyn. 27 [41] no.6/7-456-462 Ag '62.

1. Ustav pro peci o matku a dite, Praha-Podoli, reditel doc. dr. M.Vojta.  
(ABORTION THERAPEUTIC) (POPULATION)  
(GYNECOLOGY)

VOITAY, B.; HITNER, I.

Pneumococcal peritonitis. Acta med. hun. 15 no.1:375-380 '60.

1. I. Kinderklinik der Medizinischen Universität, Budapest.  
(PNEUMOCOCCAL INFECTIONS in inf. & child)  
(PERITONITIS in inf. & child)

TOTH, Margit; OSVATH, P.; GALAMBOS, H.; VOLGYI, B.

Kindergarten outbreak of an exanthematous disease caused by  
Echovirus type 9. Acta paediat. acad. sci. Hung. 5 no.2:235-  
239 '64.

1. Imre Central Hospital for Infectious Diseases (Director:  
Dr. J. Homan), Budapest.



HUNGARY

VOLTAY, Bela, Dr. GECK, Peter, Dr. OSVATH, Pal, Dr. BACKHAUSZ, Richard, Dr. LOSONCZY, Gyorgy, Dr. VIGH, Gyula, Dr. BOGNAR, Szilard, Dr; Capital City Council, Laszlo Hospital, National Public Health Institute and Human Vaccine Producing and Research Institute (Fovarosi Tanacs, Laszlo Korhaz, Orszagos Kozegeszsegugyi Intezet es Human Oltoanyagtermelo es Kutato Intezet).

"Immune Fluorescence and Passive Hemagglutination Tests in Cases of Enterocolitis in Children."

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 975-978.

Abstract: [Authors' Hungarian summary modified] The shigella excretion of children with enterocolitis was determined by bacterial cultures of samples taken from the rectum as well as by microscopic examination of fecal smears, stained with fluorescent dyes which combine with the specific immune serum. Both methods gave rapid, and twice as frequent positive results as the usual bacteriological tests. The shigella antibody titer was elevated in the majority of cases where all diagnostic tests were negative. In the authors' opinion all bloody, mucous diarrhea of children should be considered as dysentery regardless of the bacterio-

logical finding. ~~On the other hand~~ the stool, should be screened by the immune fluorescence method. A positive test is indicative, while negative results do not necessarily exclude the presence of dysentery. 2 Eastern European, 15 Western references.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720019-7"

TOTH, Margit; BARNA, Maria; VOLTAY, B.

Aetiology of acute respiratory diseases in infants and children.  
Acta paediat. acad. sci. Hung. 6 no.3/4:367-374 '65.

1. Iaszlo Central Hospital for Infectious Diseases, Budapest.  
Submitted June 11, 1965.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720019-7"

Liver biopsies in infant and childhood hepatitis. Orv.  
hetil. 104 no.34:1607-1608 25 Ag '63.

1. Fovarosí László Korház.  
(INFANT, NEWBORN, DISEASES) (HEPATITIS)  
(LIVER CYTOLOGY) (LIVER CIRRHOSIS)  
(BIOPSY)

SZUTRELY, Gyula, dr.; ~~VOLTAY, Bela, dr.~~

Therapy of supraventricular paroxysmal tachycardia by drugs  
decreasing the irritability of the adrenergic nervous system.  
Orv. hetil. 97 no.35:972-974 26 Aug 56.

1. Budapesti Orvostudományi Egyetem I. sz. Gyermekklinika-janak  
(igazgató: Gegesi-Kiss, Pal, dr. egyet. tanár, akadémikus)  
közleménye.

(TACHYCARDIA, PAROXYSMAL, ther.  
artif. hibernation & Rauwolfia alkaloids, in supraventricular  
tachycardia (Hun))  
(HIBERNATION, ARTIFICIAL, ther. use  
tachycardia, paroxysmal, supraventricular (Hun))  
(RAUWOLFIA ALKALOIDS, ther. use  
same)